AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A spinal construct for engagement with adjacent vertebral

bodies, comprising:

a spinal implant comprising an intervertebral fusion device including one or more

openings configured to promote fusion with the adjacent vertebral bodies, said spinal implant

extending along a longitudinal axis and having a first transverse dimension sized for insertion

within an intervertebral space between the adjacent vertebral bodies and a second transverse

dimension greater than said first transverse dimension and corresponding to a select height of

said intervertebral space; and

an elongate member sized to span the intervertebral space and engaged between the

adjacent vertebral bodies a plurality of bone anchors extending transversely from said elongate

member and into engagement with the adjacent vertebral bodies to establish said select height of

the intervertebral space and to maintain said select height as said spinal implant is transitioned

from said first transverse dimension to said second transverse dimension along said select height

to thereby provide controlled compression of said spinal implant.

2. (Currently Amended) The spinal construct of claim 1, wherein said spinal implant

includes: A spinal construct for engagement with adjacent vertebral bodies, comprising:

a spinal implant extending along a longitudinal axis and including:

a first pair of side surfaces spaced apart and arranged generally opposite one

another to define said a first transverse dimension sized for insertion within an intervertebral

space between the adjacent vertebral bodies; and

a second pair of side surfaces spaced apart and arranged generally opposite one

another to define said a second transverse dimension greater than said first transverse dimension

and corresponding to a select height of said intervertebral space;

an elongate member sized to span the intervertebral space and a plurality of bone anchors

extending transversely from said elongate member and into engagement with the adjacent

vertebral bodies to establish said select height of the intervertebral space and to maintain said

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select height of the intervertebral space, said spinal implant being rotatable relative to said

elongate member about said longitudinal axis to align said second transverse dimension along

said select height of the intervertebral space to thereby provide controlled compression of said

spinal implant.

3. (Original) The spinal construct of claim 2, wherein said second pair of side

surfaces are arranged substantially parallel to one another.

4. (Withdrawn) The spinal construct of claim 2, wherein said second pair of side

surfaces are angled relative to one another to define a taper extending along said longitudinal

axis corresponding to the natural lordotic angle between the adjacent vertebral bodies.

5. (Withdrawn) The spinal construct of claim 2, wherein said first pair of side

surfaces are angled relative to one another to define a taper extending along said longitudinal

axis to facilitate insertion of said spinal implant within the intervertebral space between the

adjacent vertebral bodies.

6. (Original) The spinal construct of claim 2, wherein said spinal implant has a

substantially rectangular transverse cross section and includes a transitional surface at diagonally

opposite corner portions of said spinal implant extending between said first pair of side surfaces

and said second pair of side surfaces to facilitate rotation of said spinal implant within the

intervertebral space about said longitudinal axis.

7. (Original) The spinal construct of claim 6, wherein said transitional surface

comprises a rounded surface.

8. (Original) The spinal construct of claim 1, wherein said first transverse dimension

is oriented substantially perpendicular to said second transverse dimension.

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- 9. (Original) The spinal construct of claim 1, wherein said spinal implant is engaged
- with said elongate member to allow selective rotation of said spinal implant relative to said

elongate member about said longitudinal axis, said selective rotation of said spinal implant serving to transition said first transverse dimension to said second transverse dimension along

serving to transition said first transverse difficultion to said second transverse difficultion along

said select height of the intervertebral space.

10. (Original) The spinal construct of claim 1, further comprising an interlock

between said spinal implant and said elongate member to selectively prevent at least one of

rotational and lateral movement of said spinal implant relative to said elongate member

subsequent to alignment of said second transverse dimension along said select height of the

intervertebral space.

11. (Original) The spinal construct of claim 10, wherein said interlock prevents both

rotational and lateral movement of said spinal implant relative to said elongate member.

12. (Original) The spinal construct of claim 10, wherein said interlock comprises:

at least one projection portion extending from one of said spinal implant and said

elongate member; and

at least one aperture defined by another of said spinal implant and said elongate member;

and

wherein insertion of said at least one projection portion into a respective one of said at

least one aperture prevents said at least one of rotational and lateral movement of said spinal

implant relative to said elongate member.

13. (Original) The spinal construct of claim 12, further comprising a fastener; and

wherein insertion of said at least one projection portion into said respective one of said at

least one aperture is accomplished by engagement of said fastener between said elongate

member and said spinal implant.

14. (Original) The spinal construct of claim 13, wherein said elongate member

includes a passage extending therethrough and said spinal implant includes a threaded opening;

and

wherein said engagement comprises inserting said fastener through said passage in said

elongate member and threading said fastener into said threaded opening in said spinal implant.

15. (Original) The spinal construct of claim 12, wherein said spinal implant is

rotatably engaged with said elongate member to allow rotation of said spinal implant relative to

said elongate member about said longitudinal axis, said at least one projection portion and said at

least one aperture each being offset from said longitudinal axis.

16. (Withdrawn) The spinal construct of claim 12, wherein said interlock comprises:

at least two projection portions extending from said one of said spinal implant and said

elongate member; and at least two apertures defined by said another of said spinal implant and

said elongate member; and

wherein insertion of said at least two projection portions into respective ones of said at

least two apertures prevents said at least one of rotational and lateral movement of said spinal

implant relative to said elongate member.

17. (Currently Amended) The spinal construct of claim 1, wherein said spinal implant

eomprises A spinal construct for engagement with adjacent vertebral bodies, comprising:

a spinal implant comprising a fusion cage extending along a longitudinal axis and having

a first transverse dimension sized for insertion within an intervertebral space between the

adjacent vertebral bodies and a second transverse dimension greater than said first transverse

dimension and corresponding to a select height of said intervertebral space; and

further comprising a bone growth promoting material positioned within said fusion cage

to facilitate fusion with the adjacent vertebral bodies; and

an elongate member sized to span the intervertebral space and a plurality of bone anchors

extending transversely from said elongate member and into engagement with the adjacent

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vertebral bodies to establish said select height of the intervertebral space and to maintain said

select height as said spinal implant is transitioned from said first transverse dimension to said

second transverse dimension along said select height to thereby provide controlled compression

of said spinal implant.

18. (Original) The spinal construct of claim 17, wherein said bone growth promoting

material comprises a bone morphogenic protein.

19. (Original) The spinal construct of claim 1, wherein an axially facing portion of

said spinal implant defines at least two tool engaging elements sized and configured for

engagement with corresponding portions of a manipulation tool to facilitate rotation of said

spinal implant within said intervertebral space about said longitudinal axis.

20. (Original) The spinal construct of claim 19, wherein said tool engaging elements

are apertures and wherein said corresponding portions of said manipulation instrument comprise

a pair of prongs sized and configured for insertion into said apertures.

21. (Original) The spinal construct of claim 19, wherein said tool engaging elements

are positioned diametrically opposite one another relative to said longitudinal axis.

22. (Original) The spinal construct of claim 21, wherein said elongate member

defines a pair of arcuate slots positioned diametrically opposite one another relative to said

longitudinal axis, said arcuate slots being sized and configured to receive either of said tool

engaging elements or said corresponding portions of said manipulation tool during rotation of

said spinal implant about said longitudinal axis.

23. (Original) The spinal construct of claim 1, wherein said spinal implant has a

substantially rectangular transverse cross section.

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24. (Currently Amended) The spinal construct of claim 1, wherein said elongate member comprises a plate having first and second end portions and wherein said bone anchors comprise bone screws, said plate defining at least one opening adjacent each of said first and second end portions for receiving a one of said bone screws therethrough for engaging said plate to the adjacent vertebral bodies.

25. (Currently Amended) A spinal implant assembly, comprising:

an intervertebral fusion device adapted for insertion into an intervertebral space between an adjacent pair of vertebral bodies and including one or more openings configured to promote fusion with the adjacent vertebral bodies, said device extending along a longitudinal axis and defining a primary transverse dimension and a secondary transverse dimension, said secondary transverse dimension sized for insertion into the intervertebral space, said primary transverse dimension sized greater than said secondary transverse dimension and corresponding to a select height of said intervertebral space; and

an elongate member sized to span the intervertebral space and engaged between the adjacent vertebral bodies a plurality of bone anchors extending transversely from said elongate member and into engagement with the adjacent vertebral bodies to establish said select height of the intervertebral space and to maintain said select height as said device is rotated about said longitudinal axis to align said primary transverse dimension along said select height to thereby provide controlled compression of said device.

26. (Currently Amended) The spinal implant assembly of claim 25, wherein said device includes: A spinal implant assembly, comprising:

<u>a device adapted for insertion into an intervertebral space between an adjacent pair of vertebral bodies, said device extending along a longitudinal axis and including:</u>

a pair of primary side surfaces spaced apart and arranged generally opposite one another to define said a primary transverse dimension; and

a pair of secondary side surfaces spaced apart and arranged generally opposite one another to define said a secondary transverse dimension sized for insertion into the intervertebral

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space, said primary transverse dimension sized greater than said secondary transverse dimension

and corresponding to a select height of said intervertebral space; and

an elongate member sized to span the intervertebral space and a plurality of bone anchors

extending transversely from said elongate member and into engagement with the adjacent

vertebral bodies to establish said select height of the intervertebral space and to maintain said

select height of the intervertebral space, said device being rotatable relative to said elongate

member about said longitudinal axis to align said primary transverse dimension along said select

height of the intervertebral space to thereby provide controlled compression of said device.

27. (Currently Amended) The spinal implant assembly of claim 25 26, wherein said

device has a substantially rectangular transverse cross section and includes a rounded transitional

surface at diagonally opposite corner portions of said device extending between said pair of

primary side surfaces and said pair of secondary side surfaces to facilitate rotation of said device

within the intervertebral space about said longitudinal axis.

28. (Original) The spinal implant assembly of claim 25, wherein said primary

transverse dimension is oriented substantially perpendicular to said secondary transverse

dimension.

29. (Original) The spinal implant assembly of claim 25, wherein said device is

engaged with said elongate member to allow selective rotation of said device relative to said

elongate member about said longitudinal axis, said selective rotation of said device serving to

align said primary transverse dimension along said select height of the intervertebral space.

30. (Original) The spinal implant assembly of claim 25, further comprising an

interlock between said device and said elongate member to selectively prevent at least one of

rotational and lateral movement of said device relative to said elongate member subsequent to

alignment of said primary transverse dimension along said select height of the intervertebral

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space.

31. (Original) The spinal implant assembly of claim 30, wherein said interlock comprises:

at least one projection portion extending from one of said device and said elongate member; and at least one aperture defined by another of said device and said elongate member; and

wherein insertion of said at least one projection portion into a respective one of said at least one aperture prevents said at least one of rotational and lateral movement of said device relative to said elongate member.

32. (Currently Amended) The spinal implant assembly of claim 25, wherein said device comprises A spinal implant assembly, comprising:

<u>a device</u> comprising a fusion cage <u>adapted for insertion into an intervertebral space</u>

<u>between an adjacent pair of vertebral bodies, said device extending along a longitudinal axis and defining a primary transverse dimension and a secondary transverse dimension, said secondary transverse dimension sized for insertion into the intervertebral space, said primary transverse dimension sized greater than said secondary transverse dimension and corresponding to a select height of said intervertebral space; and</u>

further comprising a bone growth promoting material positioned within said fusion cage to facilitate fusion with the adjacent vertebral bodies; and

an elongate member sized to span the intervertebral space and a plurality of bone anchors extending transversely from said elongate member and into engagement with the adjacent vertebral bodies to establish said select height of the intervertebral space and to maintain said select height as said device is rotated about said longitudinal axis to align said primary transverse dimension along said select height to thereby provide controlled compression of said device.

33. (Original) The spinal implant assembly of claim 25, wherein said spinal implant has a parallelepiped configuration.

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34. (Currently Amended) The spinal implant assembly of claim 25, wherein said elongate member comprises a plate having first and second end portions and wherein said bone anchors comprise bone screws, said plate defining at least one opening adjacent each of said first and second end portions for receiving a one of said bone screws therethrough for engaging said

35.-62. (Cancelled)

plate to the adjacent vertebral bodies.

63. (New) The spinal construct of claim 1, wherein said intervertebral fusion device

includes a hollow interior with said openings in communication with said hollow interior.

64. (New) The spinal construct of claim 63, further comprising a bone growth

promoting material positioned within said hollow interior to facilitate fusion with the adjacent

vertebral bodies.

65. (New) The spinal construct of claim 64, wherein said bone growth promoting

material comprises a bone morphogenic protein.

66. (New) The spinal construct of claim 1, wherein said intervertebral fusion device

comprises a fusion cage.

67. (New) The spinal construct of claim 1, wherein said intervertebral fusion device is

formed of a porous material to facilitate fusion with the adjacent vertebral bodies.

68. (New) The spinal construct of claim 67, wherein said openings comprise pores

defined by said porous material.

69. (New) The spinal construct of claim 1, wherein said spinal implant includes:

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a first pair of side surfaces spaced apart and arranged generally opposite one another to

define said first transverse dimension; and

a second pair of side surfaces spaced apart and arranged generally opposite one another to

define said second transverse dimension.

70. (New) The spinal construct of claim 69, wherein said spinal implant is rotatable

relative to said elongate member about said longitudinal axis to align said second transverse

dimension along said select height of the intervertebral space.

71. (New) The spinal construct of claim 70, wherein said spinal implant is rotatably

coupled with said elongate member.

72. (New) The spinal construct of claim 2, wherein said spinal implant comprises an

intervertebral fusion device.

73. (New) The spinal construct of claim 72, wherein said intervertebral fusion device

includes a hollow interior with openings extending through said second pair of side surfaces and

in communication with said hollow interior; and

further comprising a bone growth promoting material positioned within said hollow

interior to facilitate fusion with the adjacent vertebral bodies.

74. (New) The spinal construct of claim 72, wherein said intervertebral fusion device

is formed of a porous material to facilitate fusion with the adjacent vertebral bodies.

75. (New) The spinal construct of claim 2, wherein said first transverse dimension is

oriented substantially perpendicular to said second transverse dimension.

76. (New) The spinal construct of claim 2, wherein said spinal implant is rotatably

coupled with said elongate member to allow selective rotation of said spinal implant relative to

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said elongate member about said longitudinal axis to align said second transverse dimension

along said select height of the intervertebral space.

(New) The spinal construct of claim 2, wherein said elongate member comprises a 77.

plate define a first opening overlapping one of the adjacent vertebral bodies and a second

opening overlapping another of the adjacent vertebral bodies; and

wherein said bone anchors comprise bone screws extending through said first and second

openings for engaging said plate to the adjacent vertebral bodies.

78. (New) The spinal construct of claim 17, wherein said spinal implant includes:

a first pair of side surfaces spaced apart and arranged generally opposite one another to

define said first transverse dimension; and

a second pair of side surfaces spaced apart and arranged generally opposite one another to

define said second transverse dimension.

79. (New) The spinal construct of claim 78, wherein said spinal implant is rotatable

relative to said elongate member about said longitudinal axis to align said second transverse

dimension along said select height of the intervertebral space to provide controlled compression

of said spinal fusion implant.

80. (New) The spinal construct of claim 79, wherein said spinal implant is rotatably

coupled with said elongate member.

(New) The spinal construct of claim 17, wherein said elongate member comprises 81.

a plate define a first opening overlapping one of the adjacent vertebral bodies and a second

opening overlapping another of the adjacent vertebral bodies; and

wherein said bone anchors comprise bone screws extending through said first and second

openings for engaging said plate to the adjacent vertebral bodies.

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82. (New) The spinal implant assembly of claim 25, wherein said intervertebral

fusion device includes a hollow interior with said openings in communication with said hollow

interior; and

further comprising a bone growth promoting material positioned within said hollow

interior to facilitate fusion with the adjacent vertebral bodies.

83. (New) The spinal implant assembly of claim 25, wherein said intervertebral

fusion device comprises a fusion cage.

84. (New) The spinal implant assembly of claim 25, wherein said intervertebral

fusion device is formed of a porous material to facilitate fusion with the adjacent vertebral

bodies, said openings comprising pores defined by said porous material.

85. (New) The spinal implant assembly of claim 25, wherein said intervertebral

fusion device includes:

a first pair of side surfaces spaced apart and arranged generally opposite one another to

define said secondary transverse dimension; and

a second pair of side surfaces spaced apart and arranged generally opposite one another to

define said primary transverse dimension; and

wherein said intervertebral fusion device is rotatable relative to said elongate member

about said longitudinal axis to generally align said second pair of side surfaces with endplates of

the adjacent vertebral bodes.

86. (New) The spinal implant assembly of claim 26, wherein said device comprise an

intervertebral fusion device.

87. (New) The spinal implant assembly of claim 86, wherein said intervertebral

fusion device includes a hollow interior with openings extending through said second pair of side

surfaces and in communication with said hollow interior; and

further comprising a bone growth promoting material positioned within said hollow

interior to facilitate fusion with the adjacent vertebral bodies.

(New) The spinal implant assembly of claim 26, wherein said elongate member 88.

comprises a plate define a first opening overlapping one of the adjacent vertebral bodies and a

second opening overlapping another of the adjacent vertebral bodies; and

wherein said bone anchors comprise bone screws extending through said first and second

openings for engaging said plate to the adjacent vertebral bodies.

(New) The spinal implant assembly of claim 32, wherein said device includes: 89.

a first pair of side surfaces spaced apart and arranged generally opposite one another to

define said primary transverse dimension; and

a second pair of side surfaces spaced apart and arranged generally opposite one another to

define said secondary transverse dimension; and

wherein said device is rotatable relative to said elongate member about said longitudinal

axis to align said second transverse dimension along said select height of the intervertebral space

to provide controlled compression of said spinal fusion implant.

(New) The spinal implant assembly of claim 32, wherein said elongate member 90.

comprises a plate define a first opening overlapping one of the adjacent vertebral bodies and a

second opening overlapping another of the adjacent vertebral bodies; and

wherein said bone anchors comprise bone screws extending through said first and second

openings for engaging said plate to the adjacent vertebral bodies.